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Pre-Amendt A

Applicant	Michael M. Walters et al.	<p style="text-align: center;"><u>PRELIMINARY AMENDMENT</u></p>
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Title: MULTI-PHASE CONVERTER WITH BALANCED CURRENTS

Commissioner for Patents
Washington, D.C. 20231

Prior to initial review, please add the following new claims:

IN THE CLAIMS

19. A method of balancing a plurality of channel currents, each of the plurality of channel currents flowing in a corresponding one of a plurality of channels in a multi-phase DC/DC converter, the DC/DC converter having an output voltage, the method comprising:

receiving a plurality of channel current signals, each of the plurality of channel current signals representative of a channel current for one of the plurality of channel currents;

averaging together the plurality of channel current signals to thereby determine an average channel current signal;

comparing a signal representative of the output voltage to a reference signal to thereby determine an error signal; and

controlling the channel currents based at least in part on the average channel current signal, one of the plurality of channel current signals, a reference signal and the error signal.

20. The method of claim 19, wherein controlling the channel currents comprises:

generating a plurality of pulse width modulated signals for the plurality of channels to selectively control the channel currents, each of the plurality of pulse width

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